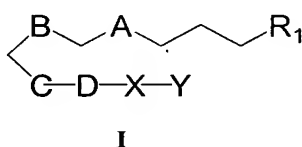


Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (currently amended). A composition for the treatment of dry eye and other disorders requiring the wetting of the eye comprising a pharmaceutically acceptable carrier and a pharmaceutically effective amount of one or more compounds of the following formula I:



wherein:

R¹ is CO₂R, CONR²R³, CH₂OR⁴, CH₂NR⁵R⁶, CH₂N₃, CH₂Hal, CH₂NO₂, CH₂SR²⁰, COSR²¹, or 2,3,4,5-tetrazol-1-yl, wherein:

R is H or CO₂R forms a pharmaceutically acceptable salt or a pharmaceutically acceptable ester;

NR²R³ and NR⁵R⁶ are the same or different and comprise a free or functionally modified amino group, ~~e.g., R², R³, R⁵ and R⁶ are the same or different and are H, alkyl, cycloalkyl, aralkyl, aryl, OH, or alkoxy,~~ with the proviso that at most only one of R² and R³ ~~are~~ is OH or alkoxy and at most only one of R⁵ and R⁶ ~~are~~ is OH or alkoxy;

OR⁴ comprises a free or functionally modified hydroxy group, ~~e.g., R⁴ is H, acyl, alkyl, cycloalkyl, aralkyl, or aryl;~~

Hal is F, Cl, Br, or I;

SR²⁰ comprises a free or functionally modified thiol group; and

R²¹ is H or COSR²¹ forms a pharmaceutically acceptable salt or a pharmaceutically acceptable thioester;

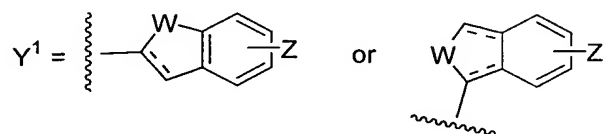
A, B and D are the same or different and are C₁-C₅ alkyl, C₂-C₅ alkenyl, C₂-C₅ alkynyl, or a C₃-C₅ allenyl group;

C is ~~an oxirane~~ or cyclopropane;

X is (CH₂)_m or (CH₂)_mO, wherein m is 1-6; and

Y is a phenyl ring optionally substituted with alkyl, halo, trihalomethyl, acyl, or a free or functionally modified hydroxy, amino, or thiol group; or

X-Y is (CH₂)_pY¹; wherein p is 0-6; and



wherein:

W is CH₂, O, S(O)_q, NR⁸, CH₂CH₂, CH=CH, CH₂O, CH₂S(O)_q, CH=N, or CH₂NR⁸; wherein q is 0-2, and R⁸ is H, alkyl, or acyl;

Z is H, alkyl, acyl, halo, trihalomethyl, or a free or functionally modified amino, thiol, or hydroxy group; and

==== is a single or double bond;

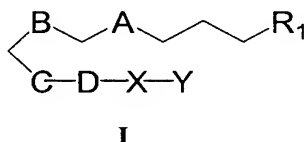
or X-Y is cyclohexyl or *n*-C₅H₁₁.

Claim 2 (cancelled).

Claim 3 (cancelled).

Claim 4 (original). The composition of Claim 1, wherein the composition is a topical ophthalmic formulation.

Claim 5 (currently amended). A method for the treatment of dry eye and other disorders requiring the wetting of the eye which comprises administering to a mammal a composition comprising a pharmaceutically acceptable carrier and a pharmaceutically effective amount of one or more compounds of the following formula I:



wherein:

R¹ is CO₂R, CONR²R³, CH₂OR⁴, CH₂NR⁵R⁶, CH₂N₃, CH₂Hal, CH₂NO₂, CH₂SR²⁰, COSR²¹, or 2,3,4,5-tetrazol-1-yl, wherein:

R is H or CO₂R forms a pharmaceutically acceptable salt or a pharmaceutically acceptable ester;

NR²R³ and NR⁵R⁶ are the same or different and comprise a free or functionally modified amino group, e.g., R², R³, R⁵ and R⁶ are the same or different and are H, alkyl, cycloalkyl, aralkyl, aryl, OH, or alkoxy, with the proviso that at most only one of R² and R³ are is OH or alkoxy and at most only one of R⁵ and R⁶ are is OH or alkoxy;

OR⁴ comprises a free or functionally modified hydroxy group, e.g., R⁴ is H, acyl; alkyl, cycloalkyl, aralkyl, or aryl;

Hal is F, Cl, Br, or I;

SR²⁰ comprises a free or functionally modified thiol group; and

R^{21} is H or COSR^{21} forms a pharmaceutically acceptable salt or a pharmaceutically acceptable thioester;

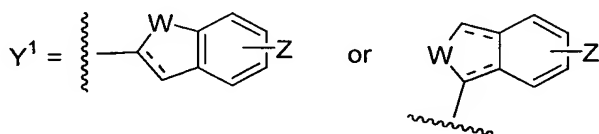
A, B and D are the same or different and are $\text{C}_1\text{-C}_5$ alkyl, $\text{C}_2\text{-C}_5$ alkenyl, $\text{C}_2\text{-C}_5$ alkynyl, or a $\text{C}_3\text{-C}_5$ allenyl group;

C is an oxirane or cyclopropane;

X is $(\text{CH}_2)_m$ or $(\text{CH}_2)_m\text{O}$, wherein m is 1-6; and

Y is a phenyl ring optionally substituted with alkyl, halo, trihalomethyl, acyl, or a free or functionally modified hydroxy, amino, or thiol group; or

X-Y is $(\text{CH}_2)_p\text{Y}^1$; wherein p is 0-6; and



wherein:

W is CH_2 , O, S(O)_q , NR^8 , CH_2CH_2 , CH=CH , CH_2O , $\text{CH}_2\text{S(O)}_q$, CH=N , or CH_2NR^8 ; wherein q is 0-2, and R^8 is H, alkyl, or acyl;

Z is H, alkyl, acyl, halo, trihalomethyl, or a free or functionally modified amino, thiol, or hydroxy group; and

---- is a single or double bond;

or X-Y is cyclohexyl or $n\text{-C}_5\text{H}_{11}$.

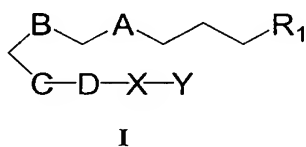
Claim 6 (cancelled).

Claim 7 (cancelled).

Claim 8 (original). The method of Claim 5, wherein the composition is a topical ophthalmic formulation.

Claim 9 (original). The method of Claim 5 wherein the dry eye and other disorders requiring the wetting of the eye is symptoms of dry eye associated with refractive surgery.

Claim 10 (currently amended). A compound of the following formula I:



wherein:

R¹ is CO₂R, CONR²R³, CH₂OR⁴, CH₂NR⁵R⁶, CH₂N₃, CH₂Hal, CH₂NO₂, CH₂SR²⁰, COSR²¹, or 2,3,4,5-tetrazol-1-yl, wherein:

R is H or CO₂R forms a pharmaceutically acceptable salt or a pharmaceutically acceptable ester;

NR²R³ and NR⁵R⁶ are the same or different and comprise a free or functionally modified amino group, ~~e.g., R², R³, R⁵ and R⁶ are the same or different and are H,~~ alkyl, ~~cycloalkyl, aralkyl, aryl, OH, or alkoxy,~~ with the proviso that at most only one of R² and R³ are is OH or alkoxy and at most only one of R⁵ and R⁶ are is OH or alkoxy;

OR⁴ comprises a free or functionally modified hydroxy group, ~~e.g., R⁴ is H, acyl,~~ alkyl, ~~cycloalkyl, aralkyl, or aryl;~~

Hal is F, Cl, Br, or I;

SR²⁰ comprises a free or functionally modified thiol group; and

R^{21} is H or COSR^{21} forms a pharmaceutically acceptable salt or a pharmaceutically acceptable thioester;

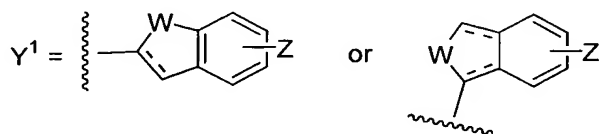
A, B and D are the same or different and are $\text{C}_1\text{-C}_5$ alkyl, $\text{C}_2\text{-C}_5$ alkenyl, $\text{C}_2\text{-C}_5$ alkynyl, or a $\text{C}_3\text{-C}_5$ allenyl group;

C is an oxirane or cyclopropane;

X is $(\text{CH}_2)_m$ or $(\text{CH}_2)_m\text{O}$, wherein m is 1-6; and

Y is a phenyl ring optionally substituted with alkyl, halo, trihalomethyl, acyl, or a free or functionally modified hydroxy, amino, or thiol group; or

X-Y is $(\text{CH}_2)_p\text{Y}^1$; wherein p is 0-6; and



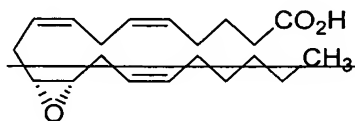
wherein:

W is CH_2 , O, S(O)_q , NR^8 , CH_2CH_2 , CH=CH , CH_2O , $\text{CH}_2\text{S(O)}_q$, CH=N , or CH_2NR^8 ; wherein q is 0-2, and R^8 is H, alkyl, or acyl;

Z is H, alkyl, acyl, halo, trihalomethyl, or a free or functionally modified amino, thiol, or hydroxy group; and

---- is a single or double bond;

or X-Y is cyclohexyl or $n\text{-C}_5\text{H}_{11}$, provided that the following compound is excluded:



Claim 11 (cancelled).

Claim 12 (cancelled).